

# Overview of flow meters

Quick and easy to select the right flow meter for your requirement



Flow meter type	Nutating disc principle			Oval rotor principle		Oval rotor principle				Turbine wheel principle
	FMC 100	FMC 250	FMJ 100	FMO 101	FMO 102	FMO 104	FMO 110	FMO 140	FMO 150	FMT 120 PP
										
Versions also in		-	-				 			-
Protection class	IP 54	IP 54	IP 54	IP 54	IP 54	IP 54	IP 54	IP 54	IP 54	IP 65
Typical application areas	For manual or semi-automatic filling in conjunction with drum and container pumps or for stationary use in plant engineering	For stationary use in plant engineering	For manual filling in conjunction with barrel and container pumps	For small flow rates and low filling quantity as well as precise dosing	For small flow rates and low filling quantity as well as precise dosing	For the classic application with drum and container pumps as well as eccentric worm-drive pumps	For the classic application with drum and container pumps as well as eccentric worm-drive pumps	For use in plant engineering such as e.g. pipelines	For use in plant engineering such as e.g. pipelines	For small quantities with our pumps JUNIORFLUX/ COMBIFLUX
Versions	In impulse version or with evaluation unit FLUXTRONIC®	With evaluation unit FLUXTRONIC®	With evaluation unit FLUXTRONIC®	In impulse version	In impulse version	In impulse version or with evaluation unit FLUXTRONIC®	In impulse version or with evaluation unit FLUXTRONIC®	With evaluation unit FLUXTRONIC®*	With evaluation unit FLUXTRONIC®*	-
Flow rate at viscosity < 5 mPas at viscosity > 5 mPas	10 - 100 l/min	25 - 250 l/min	10 - 100 l/min	0,09 - 1,67 l/min 0,04 - 1,67 l/min	0,44 - 8,3 l/min 0,25 - 8,3 l/min	2 - 25 l/min 1 - 30 l/min	9,5 - 150 l/min 5,7 - 170 l/min	15 - 227 l/min 9,5 - 245 l/min	23 - 380 l/min 15 - 380 l/min	5 - 120 l/min
Measurement error of the flow rate at viscosity < 5 mPas at viscosity > 5 mPas	+/- 1,5 %	+/- 1,5 %	+/- 1 %	+/- 2,5 % +/- 1 %	+/- 2,5 % +/- 1 %	+/- 2 % +/- 0,5 %	+/- 2 % +/- 0,5 %	+/- 1 % +/- 0,5 %	+/- 1 % +/- 0,5 %	+/- 1 %
Repeatability	+/- 0,15 %	+/- 0,3 %	-	+/- 0,03 %	+/- 0,03 %	+/- 0,03 %	+/- 0,03 %	+/- 0,03 %	+/- 0,03 %	+/- 0,5 %
Operating pressure max.	PP/ETFE: 4 bar S: 6 bar	PP/PVDF: 6 bar	PP: 4 bar	PVDF: 10 bar S: 100 bar	PVDF: 10 bar S: 100 bar	AL: 130 bar S: 200 bar	PVDF: 10 bar AL: 130 bar S: 200 bar S Clamp: 16 bar	AL/S: 16 bar	AL/S: 16 bar	PP: 10 bar
Viscosity max.	2.500 mPas	2.500 mPas	2.500 mPas	1.000 mPas	1.000 mPas	500.000 mPas	500.000 mPas	500.000 mPas	500.000 mPas	40 mPas
Material housing	PP, S, ETFE	PP, PVDF	PP	PVDF, S	PVDF, S	S, AL	S, AL, PVDF	S, AL	S, AL	PP
Material measuring chamber cpl.	PPS, ETFE	PE, PVDF	PPS	-	-	-	-	-	-	-
Material impellers	-	-	-	PPS, S	PP					
Material seals	EPDM, FKM, FEP, FFKM	EPDM, FKM	FKM	FKM, FFKM, EPDM	PTFE					
Advantages	<ul style="list-style-type: none"> <li>▶ Batch operation possible</li> <li>▶ Insensitive to small solids</li> <li>▶ Easy handling</li> <li>▶ Easy assembly</li> </ul>	<ul style="list-style-type: none"> <li>▶ Batch operation possible</li> <li>▶ Insensitive to small solids</li> <li>▶ Easy handling</li> <li>▶ Easy assembly</li> </ul>	<ul style="list-style-type: none"> <li>▶ Easy Handling</li> <li>▶ Easy assembly</li> <li>▶ Cheap alternative to FMC 100</li> </ul>	<ul style="list-style-type: none"> <li>▶ Batch operating possible</li> <li>▶ Very precise dosing possible</li> <li>▶ High resistancy</li> <li>▶ Wide range of viscosities can be covered</li> <li>▶ Low pressure loss</li> </ul>	<ul style="list-style-type: none"> <li>▶ Batch operating possible</li> <li>▶ Very precise dosing possible</li> <li>▶ High resistancy</li> <li>▶ Wide range of viscosities can be covered</li> <li>▶ Low pressure loss</li> </ul>	<ul style="list-style-type: none"> <li>▶ Batch operating possible</li> <li>▶ Very precise dosing possible</li> <li>▶ High resistancy</li> <li>▶ Wide range of viscosities can be covered</li> <li>▶ Low pressure loss</li> </ul>	<ul style="list-style-type: none"> <li>▶ Batch operating possible</li> <li>▶ Very precise dosing possible</li> <li>▶ High resistancy</li> <li>▶ Wide range of viscosities can be covered</li> <li>▶ Low pressure loss</li> </ul>	<ul style="list-style-type: none"> <li>▶ Batch operating possible</li> <li>▶ Very precise dosing possible</li> <li>▶ High resistancy</li> <li>▶ Wide range of viscosities can be covered</li> <li>▶ Low pressure loss</li> </ul>	<ul style="list-style-type: none"> <li>▶ Batch operating possible</li> <li>▶ Very precise dosing possible</li> <li>▶ High resistancy</li> <li>▶ Wide range of viscosities can be covered</li> <li>▶ Low pressure loss</li> </ul>	<ul style="list-style-type: none"> <li>▶ Fast and safe calibration</li> <li>▶ Displaying the subset and total amount</li> </ul>
Details	<a href="#">More</a>	<a href="#">More</a>	<a href="#">More</a>	<a href="#">More</a>	<a href="#">More</a>	<a href="#">More</a>	<a href="#">More</a>	<a href="#">More</a>	<a href="#">More</a>	<a href="#">More</a>

\* Available on request: Blind cover version for FMO 140 and FMO 150